



Notice of Allowability

Application No.

10/677,697

Examiner

Prem C. Singh

Applicant(s)

RILEY ET AL.

Art Unit

1764

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 11/17/2006.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All ☐ Some* ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 11/17/06; 11/24/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION



Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 11/17/2006 has been entered.

Claims Allowed

The following is an examiner's statement of reasons for allowance:

A method for upgrading a naphtha feed to a naphtha product containing less than about 10 wppm of nitrogen and less than about 15 wppm sulfur, the method comprising contacting said naphtha feed with hydrogen in the presence of a bulk multimetallic catalyst under effective reactor conditions to hydrodesulfurize and hydrodenitrogenize said naphtha feed to produce said naphtha product, wherein said bulk multimetallic catalyst comprises at least one Group VIII non-noble metal and at least two Group VI B metals, is not taught or fairly suggested in the prior art.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prem C. Singh whose telephone number is 571-272-6381. The examiner can normally be reached on MF 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PS/121906

A handwritten signature in black ink, consisting of a stylized 'P' followed by a series of loops and a long horizontal stroke.

JAN 16 2007

Complete if Known

Application Number	10/677,697
Filing Date	October 2, 2003
First Named Inventor	Kenneth L. Riley, et al.
Art Unit	1764
Examiner Name	Prem C. Singh
Attorney Docket Number	GJH-0326
Family Number	P1997J057K-US2

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(Use as many sheets as necessary)

1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, columns, lines, where relevant passages or relevant figures appear
PS		US- 2,690,433	07/22/1952	W. F. Engel, et al.	
		US- 3,678,124	07/18/1972	Stepanov, et al.	
		US- 3,850,746	11/26/1974	Robson	
		US- 3,861,005	01/21/1975	Steinmetz, et al.	
		US- 3,901,828	08/26/1975	Mai, et al.	
		US- 3,925,197	12/09/1975	Van Klinken, et al.	
		US- 4,014,925	03/29/1977	Ferlazzo, et al.	
		US- 4,113,603	09/12/1978	Bauer	
		US- 4,388,223	06/14/1983	Ferlazzo, et al.	
		US- 4,596,785	06/24/1986	Toulhoat, et al.	
		US- 4,701,381	10/20/1987	Jack	
		US- 4,808,563	02/28/1989	Velenyi	
		US- 4,824,821	04/25/1989	Lopez, et al.	
		US- 4,857,496	08/15/1989	Lopez, et al.	
		US- 4,902,404	02/20/1990	Ho	
		US- 5,112,472	05/12/1992	Gosselink, et al.	
		US- 5,122,258	06/16/1992	Eadie, et al.	
		US- 5,320,741	06/14/1994	Johnson, et al.	
		US- 5,446,004	08/29/1995	Tenten, et al.	
		US- 5,643,441	07/01/1997	Timken, et al.	
		US- 5,851,382	12/22/1998	Sudhakar	
		US- 5,865,988	02/02/1999	Collins, et al.	
		US- 5,993,643	11/30/1999	Chang, et al.	
		US- 6,156,694	12/05/2000	Harper	
		US- 6,156,695	12/05/2000	Soled, et al.	
		US- 6,162,351	12/19/2000	Sudhakar, et al.	

FOREIGN PATENT DOCUMENTS

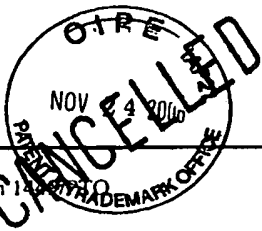
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of cited document	Pages, columns, lines, where relevant passages or relevant figures appear	T ⁶
PS		EP 0203228 A1	29.07.1985	Washecheck, D. M., et al.		
		EP 0215989 A1	27.09.1985	Chianelli, R. R., et al.		
		PCT WO 00/41881	20 July 2000	Eijsbouts, S., et al.		
		PCT WO 99/03578	28 January 1999	Soled, S. L., et al.		
		CN 1218088	02 June 1999	He, et al.	Abstract	
		CZ 158758A	15 July 1975	R. Zidek, et al.	Abstract	

Examiner Signature	/Prem Singh/	Date Considered	12/19/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/677,697
		Filing Date	October 2, 2003
		First Named Inventor	Kenneth L. Riley, et al.
		Art Unit	1764
		Examiner Name	Prem C. Singh
Attorney Docket Number	GJH-0326		
Sheet 1 of 1	Family Number	P1997J057K-US2	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PS	CA	Levin, Doron, et al., "Crystal Structure of an Ammonium Nickel Molybdate Prepared by Chemical Precipitation," <i>Inorganic Chemistry</i> , 1996, 35, pp. 4191-4197 (Sept. 1995).	
	CB	Mazzocchia, C., et al., "On the NiO MoO3 mixed oxide correlation between preparative procedures thermal activation and catalytic properties," <i>Solid State Ionics</i> , 63-65 (1993) pp. 731-735.	
	CC	Astier, M.P., et al., "Nickel-molybdenum catalysts prepared by reduction of ammonium triammine tetranickel pentamolybdate," <i>Applied Catalysis</i> , 72 (1991) pp. 321-329.	
	CD	Olah, George A., <i>Hydrocarbon Chemistry</i> , 1995, p. 30	
	CE	Astier, M.P., et al., "Ammonium Triammine Tetranickel Pentamolybdate Preparation, Characterization and Crystal Structure," <i>Ann. Chem. Fr.</i> , 12, pp. 337-343 (1987).	
	CF	Astier, M.P., et al., "Solid State Chemistry," <i>C.R. Acad. Sc. Paris.</i> , 304, (II), No. 11, pp. 563-566 (1987).	
	CG	Mazzocchia, C., et al., "On the NiMoO4 oxidative dehydrogenation of propane to propene: some physical correlations with the catalytic activity," <i>Catalysis Letters</i> 10 (1991) pp. 181-192.	
	CH	Levin, Doron, et al., "Chemie Douce Synthesis of a Layered Ammonium Zinc Molybdate," <i>Chem. Mater.</i> 1996, 8, pp. 836-843.	
↓	CI	M. Daage, et al., "Structure-Function Relations in Molybdenum Sulfide Catalysts: The "Rim-Edge" Model", <i>Journal of Catalysis</i> , 149, 414-427 (1994).	
	CJ		
	CK		
	CL		
	CM		
	CN		

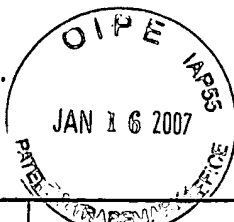
Examiner Signature	/Prem Singh/	Date Considered	12/19/2006
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket Number	GJH-0326				
Sheet	1	of	2	Family Number	P1997J067K-US2

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		Number-Kind Code2 (if known)				
PS <						

Examiner Signature	/Prem Singh/	Date Considered	12/19/2006
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Family Number	P19971067K-US2

Sheet	2	of	2
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FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

/Prem Singh/

Date _____

Considered

12/19/2006

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